Amendments to the Specification:

Please replace the paragraph beginning at page 10, line 1 with the following amended paragraph:

FIG. 3A and FIG. 3B illustrate updating of the main table for an example network topology 2. FIG. 3A depicts adjacent links and neighbor tables 4 of node i, while FIG. 3B depicts the network topology 2 along with a table 6 of preferred neighbors along with the main link table of node i after merging the neighbor tables 4.

Please replace the paragraph beginning at page 10, line 17 with the following amended paragraph:

FIG. 4A through FIG. 4C shows the significance of the tie-breaking rule. FIG. 4A depicts an example network topology 12 with unit link costs. FIG. 4B illustrates node i having the costs of its adjacent links and the shortest path trees 14 of its neighbors p and q. The distances of nodes x and y from i is identical through both neighbors p and q. FIG. 4C illustrates that if MTU breaks ties in an arbitrary manner while constructing T^i, it may choose p as the preferred neighbor for node x and choose q as the preferred neighbor for node y, which results in a graph 16 that has no path from i to j. It will be appreciated, therefore, that ties should not be broken in an arbitrary manner.